Index of Claims

10/019,307
Examiner

Jacques M Saint-Surin

Applicant(s)

CAMPBELL ET AL.

Art Unit

2856

| <b>√</b> | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | А | Appeal   |
|----------|----------|---|--------------------------------|---|--------------|---|----------|
| =        | Allowed  | + | Restricted                     | 1 | Interference | 0 | Objected |

| Cls           | Claim Date |              |  |         |   | :::: <b>:</b> | Cla      | aim      | n Date       |          |        |  |          |  |   | 1::::1   | c        | laim     | Date   |        |          |          |  |          |  |                   |          |          |  |          |          |          |               |
|---------------|------------|--------------|--|---------|---|---------------|----------|----------|--------------|----------|--------|--|----------|--|---|----------|----------|----------|--|--------|----------|----------|--|----------|--|-------------------|----------|----------|--|----------|----------|----------|---------------|
| <u> </u>      |            |              |  |         |   |               |          |          |              |          |        |  |          |  |   |          |          |          | <del>                                     </del> |        |          |          |  |          |  |                   | $\dashv$ |          |  |          |          |          |               |
| Final         | Original   | 11/11/04     |  |         |   |               |          | ١        |              |          |        | Final  | Original |  |   |          |          |          |  |        |          |          | Final  | Original |  |                   |          |          |  |          |          |          |               |
|               |            | $\square$    |  | $\perp$ |   | _             |          | 4        | $\downarrow$ |          |        |  |          |  |   | _        | 1        | 4        |  |        |          |          |  | 101      |  |                   | _        |          | _  |          | 4        | $\dashv$ | _             |
| 1             | 2          | =            | -  | +       |   |               | ┰        | $\dashv$ | -            | -        |        |  | 51<br>52 | Н  | -                                       | -        | +        | +        | +-   | +      | ╁        |          |  | 102      | -  | ┝                 | ╛        |          | -  | -        | $\dashv$ | $\dashv$ | $\dashv$      |
| 2             |            | =            | -  |         | + | +             | $\dashv$ | -        | $\dashv$     | -        |        |  |          | -  |   |          | -+       | -        | +  | ╁      | ⊢        |          |  | 102      | $\vdash$   | $\vdash$          | $\dashv$ | -        | -  | $\dashv$ | $\dashv$ | -        | $\dashv$      |
| 3             | 3          | =            | -  | +       | + | +             | +        | +        | -+           | $\dashv$ |        |  | 53<br>54 | Н  | $\dashv$                                | -        | $\dashv$ | +        | +-   | ┿      | ⊢        |          |  | 103      |  | $\vdash$          | -        | $\dashv$ | -  | -        | $\dashv$ | $\dashv$ | ᅱ             |
| $\overline{}$ | 4          |              | +  | +       | + | -             | -        | -        | -            | -        |        |  | 55       | -  | $\vdash$                                | $\dashv$ | +        | +        | +  | +-     | ╁        |          |  | 105      |  | $\vdash$          | $\dashv$ |          | -  | $\dashv$ | $\dashv$ | -+       | ᅱ             |
| 4             | 5          | =<br>rest    | -  | +       | + | +             | +        | -+       | +            | $\dashv$ |        |  | 56       | Н  | $\vdash$                                | $\dashv$ | $\dashv$ | -        | +  | ╁      | ╁        |          |  | 105      | _  | Н                 | $\dashv$ | $\dashv$ |  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ             |
|               | 6<br>7     | 7            |  | +       | + |               | -+       | -        | -+           | $\dashv$ |        |  | 57       | Н  | $\vdash$                                | $\dashv$ | +        | +        | +  | ╁      | ╁        |          |  | 107      |  | H                 | $\dashv$ |          |  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| -             | 8          |              |  | +       |   | +             | -+       |          | -            |          |        |  | 58       | Н  | $\vdash$                                | $\dashv$ | $\dashv$ | -+       | +  | ╁╌     | +-       |          |  | 108      | _  | $\vdash$          | $\dashv$ | $\dashv$ |  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ             |
| <u></u>       | 9          | =            | -  | ┿       | ╁ | +             | $\dashv$ | +        | ┥            | $\dashv$ |        |  | 59       | $\vdash$   | $\dashv$                                | -        | $\dashv$ | +        | +-   | +      | ╁        | 1        |  | 109      | _  |                   | $\dashv$ | ᅱ        | -  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| 5             | _          | =            | -  | +       | + | -+            | $\dashv$ | +        | -            | $\dashv$ |        |  | 60       | Н  | $\dashv$                                | $\dashv$ | $\dashv$ | -+       | +  | +      | ╁        | 1::::    |  | 110      |  | $\vdash$          | +        | $\dashv$ | -  | -        | $\dashv$ | $\dashv$ | ᅱ             |
| 6             | 10         | -            | $\dashv$   | +       | + | $\dashv$      | -+       | -+       | $\dashv$     |          |        |  | 61       | H  | Н                                       | $\dashv$ | -+       | $\dashv$ | +  | ╁      | +        | 1        |  | 111      |  | $\vdash$          | $\dashv$ | -        | $\dashv$   | -        | $\dashv$ | $\dashv$ | ᅱ             |
| 7             | 11         | =            | +  | +       | + | +             | $\dashv$ |          | -            | _        |        |  | 62       | $\vdash$   | $\vdash$                                | $\dashv$ | $\dashv$ | $\dashv$ | +  | +-     | +        |          |  | 112      | -  | $\vdash$          | $\dashv$ |          | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ             |
| 8             | 12         | =<br>09      | -  | +       | ╁ | +             | +        | $\dashv$ | $\dashv$     | $\dashv$ |        |  | 63       | -  | $\vdash$                                | $\dashv$ | $\dashv$ | $\dashv$ | +  | +      | +        | 1        |  | 113      | _  | -                 | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | _        | $\dashv$ | ㅓ             |
| 25            |            | _            |  |         | ╁ | ┵             | +        | -        | -            |          |        |  | 64       | _  | $\vdash$                                |          | -+       | $\dashv$ | +  | ╁      | +-       |          |  | 114      | _  | Н                 | ᅱ        |          | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| 9<br>10       | 14<br>15   | 11 11        | +  | +       | + | +             | +        | +        | -            |          |        |  | 65       | -  | $\vdash$                                | -        | +        | $\dashv$ | +  | +      | +        | 1        |  | 115      | Ι  | $\vdash$          | $\dashv$ | -        | -  | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ             |
|               |            | -            | -  | ┿       | + | +             | $\dashv$ | -        | ᅱ            |          |        |  | 66       |  | $\vdash$                                | $\dashv$ | $\dashv$ | +        | ┿  | +      | ╁╌       |          |  | 116      | $\vdash$   | ┝─┤               | $\dashv$ |          |  | ᆉ        | $\dashv$ | $\dashv$ | 一             |
| 11            | 16         |              | -  | +       | + | +             | $\dashv$ | -+       | -            | -        |        |  | 67       | -  | H                                       | $\dashv$ | +        | $\dashv$ |  | +      | -        | 1        |  | 117      | $\vdash$   | -                 | $\dashv$ | -        | $\dashv$   | -        | -        | -        | $\dashv$      |
| 12            | 17         | =            | $\vdash$   | +       | + | +             | +        | -+       |              |          |        |  | 68       | -  | H                                       |          | $\dashv$ | $\dashv$ | +  | +      | ╁        |          |  | 118      | $\vdash$   | $\vdash$          | ┪        |          | -  | -        | -        | $\dashv$ | ᅱ             |
| 13            | 18         | =            | $\vdash$   | +       | + | -             | +        | +        | $\dashv$     |          |        |  | 69       |  |   | $\dashv$ | $\dashv$ | -+       | +  | +      | ╁        | 1        | -  | 119      | -  | H                 | $\dashv$ |          | -  | -        | $\dashv$ | -        | $\dashv$      |
| 14            | 19         | 트            | $\vdash$   | +       | + | -+            | +        | $\dashv$ |              | -        |        |  | 70       | -  | $\vdash$                                | +        |          | $\dashv$ | +  | ╫      | ╁        | 1        |  | 120      | ⊢  | 1                 | -        | $\dashv$ |  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| 15            | 20         | =            | $\dashv$   | -       | + | $\dashv$      | +        |          | -            |          |        |  | 71       | -  | Н                                       |          | $\dashv$ | $\dashv$ |  | ┿      | ╁        |          |  | 121      | -  | $\vdash$          | $\dashv$ |          | $\dashv$   |          | $\dashv$ | $\dashv$ | $\dashv$      |
| 16            | 21         |              | -  | +       | + | +             | $\dashv$ | $\dashv$ | -            |          |        |  | 72       | H  | $\vdash$                                | -        | $\dashv$ | -+       | +-   | ╫      | +        | 1        |  | 122      | -  | H                 | $\dashv$ |          | -  | -        | -        | $\dashv$ | $\dashv$      |
|               | 22         |              | -  | -       | ┿ | +             |          | $\dashv$ | $\dashv$     |          |        |  | 73       | H  | $\vdash$                                | $\dashv$ | $\dashv$ | $\dashv$ |  | ╫      | $\vdash$ | <b> </b> |  | 123      | ├  | H                 | $\dashv$ | -        | -  | ᅱ        | -+       | $\dashv$ | $\dashv$      |
| 18            | 23         | =            | $\vdash$   | +       | + |               |          | $\dashv$ |              | _        |        |  | 74       | ├  | Н                                       | $\dashv$ | -        | $\dashv$ |  | +      | +-       | -        |  | 124      | -  | H                 | -        | _        |  | -        | $\vdash$ | $\dashv$ | $\dashv$      |
| 19<br>17      | 24<br>25   | =            | ⊢⊦   | +       | + | +             | $\dashv$ | $\dashv$ | $\dashv$     |          |        |  | 75       | ├  | $\vdash$                                | $\dashv$ | ┰        | $\dashv$ | +  | ┿      | +        |          |  | 125      | $\vdash$   | H                 | -        |          | -  | $\dashv$ | $\dashv$ | -        | $\dashv$      |
| 17            |            | ᆖ            | ⊢  | ┿       | + | +             | $\dashv$ | $\dashv$ | $\dashv$     |          |        |  | 76       | ⊢  |   | $\dashv$ | -+       | -        | +  | +      | ╁        | 1        |  | 126      | $\vdash$   | $\vdash$          | $\dashv$ |          |  | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$      |
| -             | 26<br>27   | Н            | $\vdash$   | +       | + | -+            | $\dashv$ | $\dashv$ | $\dashv$     | _        |        |  | 77       | -  | Н                                       | +        | +        | $\dashv$ | +  | ╁      | ╁╴       | 1        |  | 127      |  | $\vdash$          |          |          | $\vdash$   | -        | $\dashv$ | -        | ㅓ             |
| ├             | 28         | ⊢            | ⊢⊹   | +       | + | +             | ┪        |          | $\dashv$     | _        |        |  | 78       | ╁  | Н                                       | -        | +        | +        | +  | +-     | +        | ł        |  | 128      | ╁  | $\vdash$          | -        |          | $\vdash$   | $\dashv$ | $\neg$   | _        | ᅥ             |
| ├—            | 29         | $\vdash$     | $\vdash$   | +       | + | -             | -+       | ┥        | $\dashv$     | -        |        |  | 79       |  | Н                                       | -+       | +        | $\dashv$ | +  | +      | ┿        | ł        |  | 129      | -  | $\vdash$          | $\dashv$ |          | Н  | $\dashv$ | $\dashv$ | 一        | $\dashv$      |
|               | 30         | Н            | ┝╌┼  | +       | + | +             | $\dashv$ | -        | ┪            |          |        |  | 80       | ╁╌   | Н                                       | -        | -        | $\dashv$ | +-   | +      | ╁        | 1        |  | 130      | $\vdash$   | H                 | $\neg$   | -        | Н  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|               | 31         | Н            | ┝  | +       | + | $\dashv$      | $\dashv$ | -        | -            |          |        |  | 81       | ╁─   | $\vdash$                                | $\dashv$ | -+       | $\dashv$ | +  | ┿      | +        |          |  | 131      | <del> </del>                                     | $\vdash$          | -        |          | $\vdash$   | _        |          | $\dashv$ | $\neg$        |
| -             | 32         | $\vdash$     | ┝╌┼╴   | ╁       | ╁ | $\dashv$      | $\dashv$ | -        | -            |          |        |  | 82       | $\vdash$   |   | -        | $\dashv$ | -        | +  | ╁╌     | +        | 1        |  | 132      | -  | $\vdash$          | $\dashv$ |          |  |          | $\vdash$ | $\dashv$ | $\dashv$      |
|               | 33         | $\vdash$     | ┝╌┼╴   | +       | + | $\dashv$      | -+       | -        | ╛            |          |        |  | 83       | ╁  | Н                                       | +        | $\dashv$ | -        | +  | +-     | +        | 1        | -  | 133      | -  | ┨                 | $\dashv$ | -        |  |          | $\Box$   | ᅥ        | $\neg$        |
| _             | 34         | H            | $\vdash$   | +       | + | -+            | +        | $\dashv$ | $\dashv$     |          |        |  | 84       | ╁  | Н                                       | $\dashv$ | ┪        | $\dashv$ | ╅  | +-     | ╁        | 1        | _  | 134      | ┢  | H                 |          | -        | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$        |
|               | 35         | Н            | ┝╌├  | +       | ╁ | ┰             | $\dashv$ | -        |              |          |        |  | 85       | ┢╌   |   | $\dashv$ | ┪        | -+       | +  | +-     | ╁        | 1        | ├─   | 135      | $\vdash$   | $\vdash$          | $\neg$   | Н        |  | 1        | $\dashv$ | $\dashv$ | _             |
| -             | 36         |              | ┝╌┼  | +       | + | +             | -1       |          | $\dashv$     | _        |        | $\vdash$   | 86       | ├  | H                                       | -+       | ┪        | +        |  | +-     | +        | ı        | <del> </del>                                     | 136      | $\vdash$   | $\vdash$          | $\neg$   | $\vdash$ | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| <b>—</b>      | 37         | Н            | $\vdash$   | +       | + | +             | -+       | $\dashv$ | -            | _        |        | <b>-</b>   | 87       | H  | $\vdash$                                | $\dashv$ | -        | $\dashv$ | +  | +      | +        | 1        | $\vdash$   | 137      | $\vdash$   | $\vdash$          |          | $\vdash$ | $\vdash$   |          | $\dashv$ | $\dashv$ | $\dashv$      |
| -             | 38         | -            | $\vdash$   | +       | + | $\dashv$      | $\dashv$ | -        |              |          |        |  | 88       | $\vdash$   | -                                       | $\dashv$ | $\dashv$ | $\dashv$ | +-   | +      | +-       |          | <del>                                     </del> | 138      | ╁  | $\vdash$          | $\neg$   | -        | Н  | -        | 一        | $\dashv$ | $\dashv$      |
| <u></u>       | 39         | -            | <del>                                     </del> | +       | + | -+            | $\dashv$ | $\dashv$ |              |          |        |  | 89       | +-   | $\vdash$                                | $\dashv$ | +        | -        | +-   | +      | +        |          | $\vdash$   | 139      | ╁  | $\vdash$          |          | H        | H  | $\dashv$ | H        | -        | $\dashv$      |
| <u> </u>      | 40         | $\vdash$     | $\vdash \vdash$                                  | +       | + | $\dashv$      | $\dashv$ | -        | $\dashv$     |          |        |  | 90       | 1  | $\vdash$                                | -+       | $\dashv$ | -        | +  | +      | +        | 1        | <del> </del>                                     | 140      | $\vdash$   | $\vdash$          |          |          | Н  | -        | $\vdash$ | $\dashv$ | $\dashv$      |
| <u> </u>      | 41         | $\vdash$     | $\vdash$   | +       | + | $\dashv$      | -+       | $\dashv$ | $\dashv$     | -        |        | <del>                                     </del> | 91       | 1  | Н                                       | $\dashv$ | -        | -+       | +  | +      | +        | 1::::    | <del> </del>                                     | 141      | Н  | Н                 | -        |          | Н  |          | $\vdash$ | $\dashv$ | $\dashv$      |
| <del></del>   | 41         | -            |  | ┰       | + | +             | -        | $\dashv$ |              |          |        | <del> </del>                                     | 92       | <del>                                     </del> | Н                                       | -        | $\dashv$ | $\dashv$ | +  | +      | +-       | 1        | ┢╾   | 142      |  | $\vdash \vdash$   |          | H        | Н  | $\vdash$ | 一        | _        | $\vdash$      |
| <u> </u>      | 43         | 1            |  | +       | + | $\dashv$      | -+       |          | $\dashv$     | _        |        | _  | 93       | $\vdash$   | $\vdash$                                | $\dashv$ | $\dashv$ | 一        | $\dashv$   | +-     | +        | 1::::    | _  | 143      | $\vdash$   | $\dagger \exists$ | $\neg$   | $\vdash$ | Н  |          | П        | $\dashv$ | $\neg$        |
|               | 44         | -            | $\vdash$   | +       | + | $\dashv$      | -+       | $\dashv$ | -            |          |        | $\vdash$   | 94       | <del> </del>                                     | Н                                       | $\dashv$ | $\dashv$ | +        | +  | +      | +        | 1:::     | $\vdash$   | 144      |  | $\vdash$          | $\neg$   | $\vdash$ | Н  | $\vdash$ | $\sqcap$ | $\dashv$ | $\overline{}$ |
| $\vdash$      | 45         | H            | $\vdash \vdash$                                  | +       | + | $\dashv$      | -        | -        |              |          |        | <del> </del>                                     | 95       | $\vdash$   | Н                                       |          | $\dashv$ | _        | 十  | +      | +        | 1        |  | 145      | $\vdash$   | $\vdash$          | $\dashv$ | $\vdash$ | $\vdash$   | $\dashv$ | $\sqcap$ | $\dashv$ |               |
| -             | 46         | <del> </del> | $\vdash \vdash$                                  | +       | + | +             | $\dashv$ | -1       |              | _        |        | $\vdash \vdash$                                  | 96       | +-   | Н                                       | $\dashv$ | $\dashv$ | $\dashv$ | +  | +-     | +        | 1:::     | <u> </u>   | 146      | <del>                                     </del> | $\vdash$          | $\vdash$ | $\vdash$ |  |          | П        | $\dashv$ | _             |
| $\vdash$      | 47         | $\vdash$     | +  | +       | + | $\dashv$      | -        | -        |              |          |        | $\vdash$   | 97       | $\vdash$   |   |          | $\dashv$ | -        | +  | +      | +        | 1        | $\vdash$   | 147      |  | $\vdash$          |          | $\vdash$ |  | $\vdash$ | $\sqcap$ | $\neg$   | Г             |
| $\vdash$      | 48         | $\vdash$     | $\vdash$   | +       | + | $\dashv$      | +        | $\dashv$ |              | _        |        | <u> </u>   | 98       | t  | H                                       | -        | -        | $\dashv$ | +  | +      | +        | 1        | <del> </del>                                     | 148      | T  | Н                 |          |          |  | Н        |          | $\sqcap$ | $\overline{}$ |
| -             | 49         | $\vdash$     | +  | 十       | + | $\dashv$      | 7        | $\dashv$ | $\neg$       | -        |        | <b>-</b>   | 99       | †  | Н                                       | 1        | $\dashv$ | $\dashv$ | +  | $\top$ | $\top$   | 1        | $\vdash$   | 149      | T  | П                 |          |          |  | П        | $\sqcap$ |          |               |
| <b>—</b>      | 50         | $\vdash$     | +  | +       | + | +             | $\dashv$ | $\dashv$ | $\dashv$     |          |        | <b>-</b>   | 100      | t  | $\vdash$                                | -        | ᅥ        | _        | +  | +      | T        | 1        |  | 150      |  | T                 |          | $\vdash$ | <del>                                     </del> | П        | $\sqcap$ | $\sqcap$ |               |
|               | JU         | 1            |  |         |   |               | $\perp$  |          | لــــا       |          | j::::: |  | 1,00     | _  | لــــــــــــــــــــــــــــــــــــــ |          |          |          |  |        |          | J:::::   |  | 1.00     | 1  |                   | -        |          |  |          | لب       |          |               |